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FIG. 1

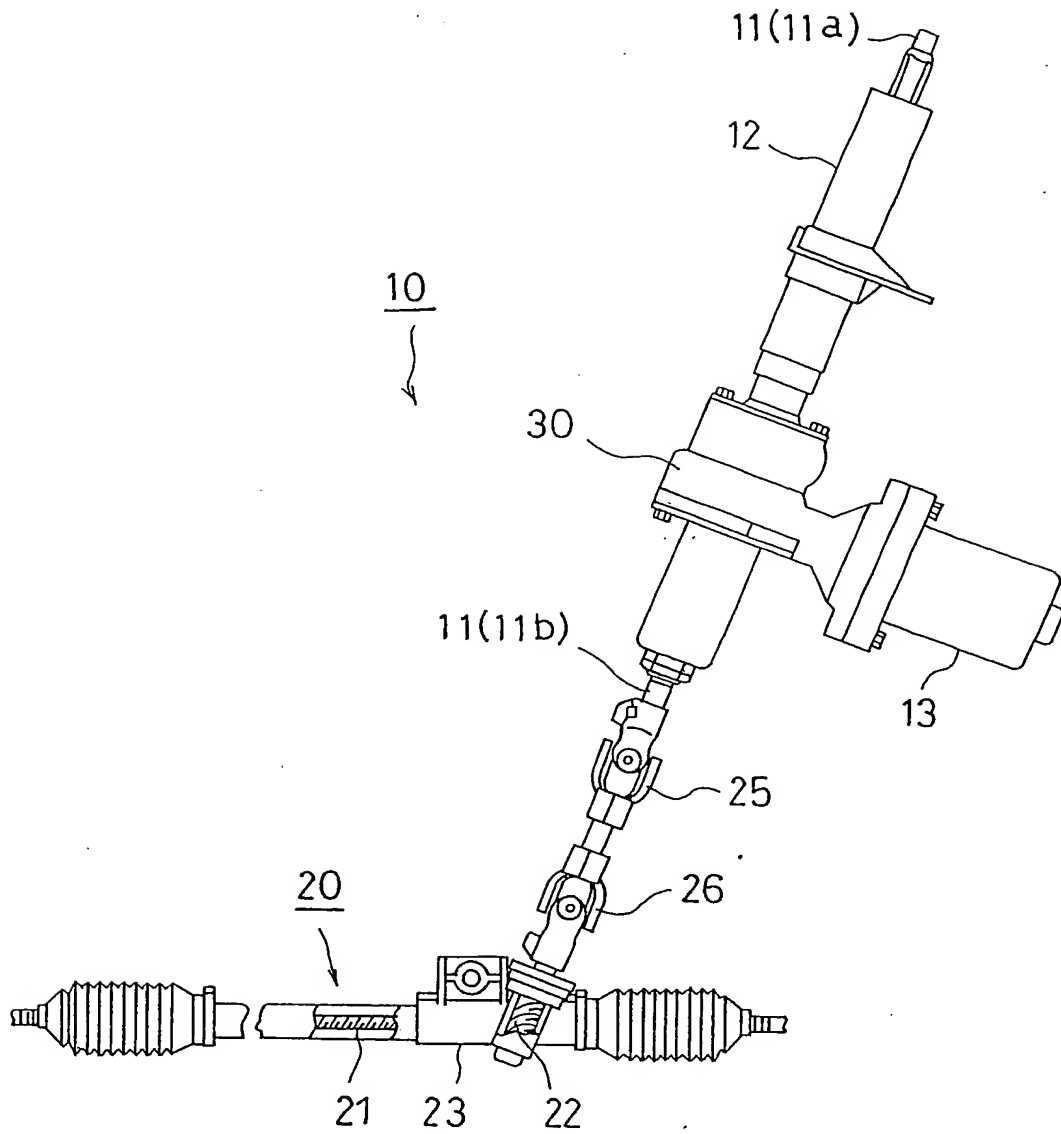


FIG. 2

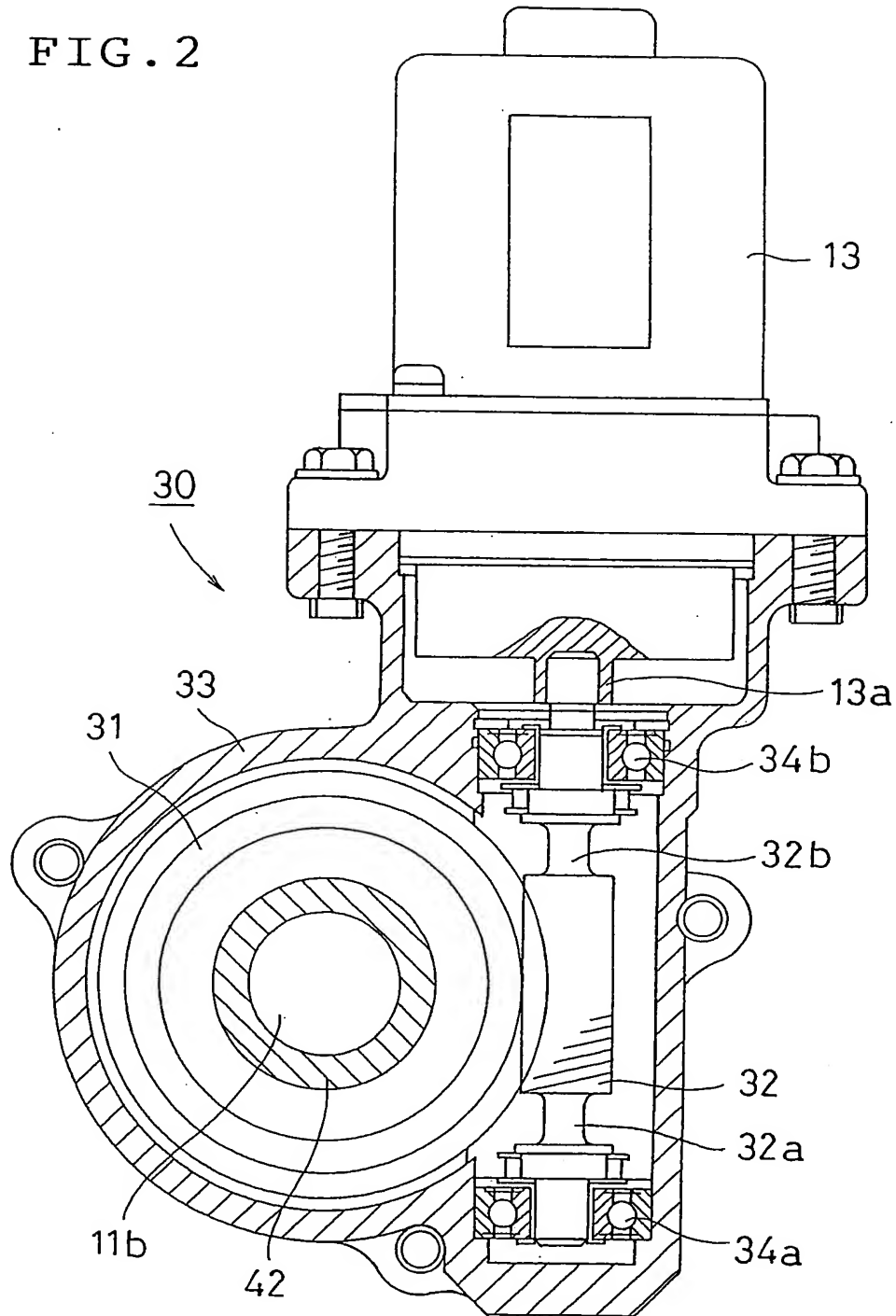


FIG. 3

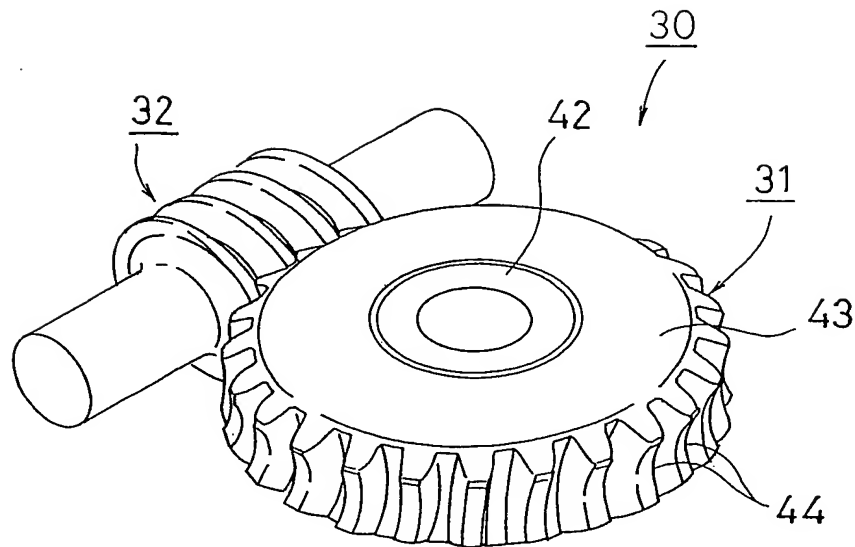


FIG. 4

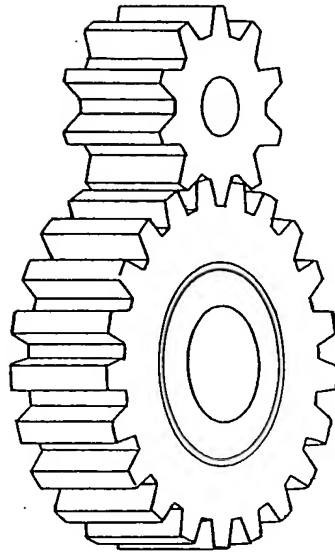


FIG. 5

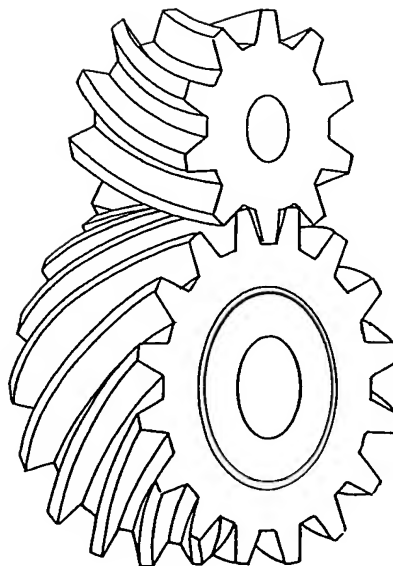


FIG. 6

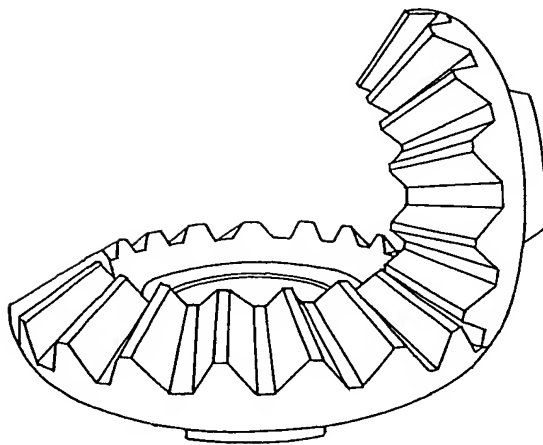
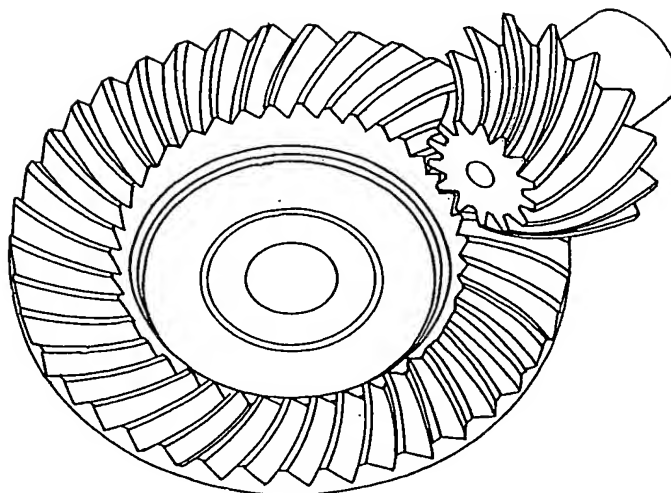


FIG. 7



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FIG. 8

Addition amounts (wt%) of additives relative to base grease in Compositions A to C

	Composition A	Composition B	Composition C
Wax	6	0	2
Antioxidant	2	2	2
Antirust	0.5	0.5	0.5

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FIG. 9

Wear test results

	Example 1	Example 2	Comparative example 1	Comparative example 2	Comparative example 3	Comparative example 4	Comparative example 5
GF diameter in resin (μ m)	6	8	10	13	6	6	13
Wax content (wt%)	6	6	6	6	0	2	0
Maximum load without wear generation (kg)	6	6	4.5	4.0	3.0	3.5	2.5

FIG. 10

Durability test results

	Example 1	Example 2	Example 3	Comparative example 1	Comparative example 2	Comparative example 3	Comparative example 4	Comparative example 5
Durability test result (Condition I)	100,000 times cleared	100,000 times cleared	100,000 times cleared	Excessive wear amount at 80,000 times	Excessive wear amount at 70,000 times	Excessive wear amount at 40,000 times	Excessive wear amount at 50,000 times	Excessive wear amount at 20,000 times
Durability test result (Condition II)	Operability rejected at 90,000 times	Operability rejected at 80,000 times	100,000 times cleared	Excessive wear amount at 80,000 times	Excessive wear amount at 70,000 times	Excessive wear amount at 40,000 times	Excessive wear amount at 50,000 times	Excessive wear amount at 20,000 times

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FIG. 11

Test results of dimensional stability and durability

	Example 11	Example 12	Example 13	Comparative example 11	Comparative example 12
Glass fiber diameter (μ m)	6	7	6	10	13
Adhesive layer	Absent	Absent	Present	Absent	Absent
Dimensional stability (Condition A)	70H ○	70H ○	70H ○	70H ○	70H ○
	300H ○	300H ○	300H ○	300H ○	300H ×
	500H ○	500H ○	500H ○	500H ×	500H ×
Dimensional stability (Condition B)	70H ○	70H ○	70H ○	70H ×	70H ×
	300H ○	300H ○	300H ○	300H ×	300H ×
	500H ×	500H ×	500H ○	500H ×	500H ×
Durability (Condition C)	○	○	○	○	○
Durability (Condition D)	○	○	○	×	×
Durability (Condition E)	○	○	○	○	○
Durability (Condition F)	×	×	○	×	×

Note: "H" behind a number refers to hours.

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FIG. 12

Wear test results

	Example 11	Example 12	Comparative example 11	Comparative example 12
Glass fiber diameter (μm)	6	7	10	13
Contact surface pressure P_{max}	150MPa	No wear generation	No wear generation	No wear generation
	160MPa	No wear generation	No wear generation	No wear generation
	170MPa	No wear generation	No wear generation	Slight wear generation (2 μm)
	180MPa	No wear generation	Slight wear generation (2 μm)	Large wear generation (12 μm)
	190MPa	No wear generation	Large wear generation (15 μm)	Test stopped
200MPa	No wear generation	Slight wear generation (2 μm)	Test stopped	Test stopped